

Purchase Order Receipt Listing

Tuesday, August 29, 2017 1:00:50 PM

All Vendors PO ID PO37486 Receipt Dates from 8/29/2017 to 8/29/2017 All Line Item Types
 All Item ID/GL/WOs All Rec. Employees All Currencies
 Grouped by Vendor ID

Page 1 of 1

All amounts are calculated in domestic currency.

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID	Reference/ Cert Std	PO U/M / Stock U/M	Required Date	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
PO37486	2	VC-CAM1002	Aacier Ouellette Inc	DAS 5 sf 9-89	8/25/2017	8/29/2017	48.0000	\$3.39	0.0000	0	\$162.55
CAD	No	M2024T3S040	sf m138389	2024-T3 .040 sheet	8/25/2017	8/29/2017	48.0000	\$162.55	0.0000	0	
	3	M2024T3S.063	sf 2024-T3 .063 sheet	144.0000	144.0000	144.0000	\$5.42	0.0000	0	\$780.42	
	No	m138389	M303H0.500 303 HEX BAR .500 m138389	f 14 9-89	8/25/2017	8/29/2017	12.0000	\$780.42	0.0000	0	
	4	M303R0.625	f 303 Round Bar 0.625" f m138389	DAS 14 9-89	8/25/2017	8/29/2017	12.0000	\$3.40	0.0000	0	\$40.85
	No	M303R1.000	f 303 Round Bar 1.00 m138389	DAS 14 9-89	8/25/2017	8/29/2017	24.0000	\$2.88	0.0000	0	\$33.64
	6	M303R1.000	f 303 Round Bar 1.00 m138389	DAS 14 9-89	8/25/2017	8/29/2017	24.0000	\$33.64	0.0000	0	
	No	M304B0.750X2.50	f 304 BAR .750 X 2.50 f m138389	DAS 14 9-89	8/25/2017	8/29/2017	12.0000	\$6.61	0.0000	0	\$158.60
	8	M6061T6R0.563	f 6061-T6 ROUND BAR .563 m138389	DAS 14 9-89	8/25/2017	8/29/2017	204.0000	\$18.69	0.0000	0	\$224.28
	No	M6061T6R0.563	f 6061-T6 ROUND BAR .563 m138389	DAS 14 9-89	8/25/2017	8/29/2017	204.0000	\$224.28	0.0000	0	
	14	M6061T6R0.563	f 6061-T6 ROUND BAR .563 m138389	DAS 14 9-89	8/25/2017	8/29/2017	204.0000	\$0.81	0.0000	0	\$165.63
	No							\$165.63	0.0000	0	

Total Received Quantity: 456.0000
 Total Qty to Inspect (PO U/M): 0.0000
 Total Reject Quantity: 0.0000
 Total Receipt Value: \$1,565.98
 Total Balance Due Quantity: 0.0000



DELIVERY - CLIENT

CO00046808

ACIER OUELLETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tel.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

, Ontario,

Instruction

F-M

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route

5

Page

Credit Terme

Carrier

Net 30 Days

3

Billed to

Customer N°

CLI0001056

Date

2017/08/22

Delivery date

2017/08/29 00:00

Your order N°

37486

Shipped to

Processed by

Salesman

Frederic Leboeuf

Carrier

OUELLETTE VALLEYFIELD

Net 30 Days

3

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only		
				CMD	EXP	B/O	IN	I	S
NOTE : mill test needed on delivery									

Conditions :

All sold and delivered materials remain the property of "Acer Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acer Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acer Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Total Weight (Lbs) :

419.26

NIR :

R-109516-6

Prepared By : Delivered By : Time : **Total (\$CAD)**

150829
150829

Customer's Signature

Date



DELIVERY - USINE

CO00046808

ACIER OUELLETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1Tél.: 450-377-4248 Mté: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mté: 514-336-4246 Ext.: 866-456-4242

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél: 613-632-5200

Delivery Route

5

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Instruction	F/M	Product Description	Weight	Qty	U/M	CMD	EXP	B/O	IN	Internal Use Only			
										C	S	C	OUT
1	ALU SHEET .040 (18G) 2024-T3 SA (4 X 12) FEAL-0404122024A	3117	27.02	48.00	PI2_SCLB								
	1 X 4' X 12' BARRE DAS551 - SA - 2017/08/24 HEAT : 433	5											
2	ALU SHEET .064 (18G) 2024-T3 (4 X 12) FEAL-0644122024	3166	DAS E D B-89	129.74	144.00	PI2_SCLB							
	3 X 4' X 12' BARRE AC8551 - SA - 2017/08/24 HEAT : 463												
3	ROUND ALU 9/16 6061-T6 (12) RAL-916-12	5178		59.77	204.00	PI_SCLB							
	17 X 12' AC28552 - TH - 2017/08/24 HEAT : 02151604												

NIR : R-109516-6

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DELIVERY - USINE

CO00046808



ACIER OUELLETTE INC.

935, Boul. du Hâvre

Salaberry de Valleyfield (Québec) J6S 5L1

Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248

Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

2017/08/29

37486

Frederic Leboeuf

Processed by

Salesman

OUELLETTE VALLEYFIELD

Carrier

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Ontario,

1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

DART AEROSPACE LTD

1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Instruction	F-M	Product Description	Weight	Qty	U/M	PCS NB	Internal Use Only					
							CMD	EXP	B/O	IN	I	S
4	FLAT SS 1/4 X 4 17-4 PH HRAP SOL ANN RANDOM NS FSS-144174PH-V 8746		40.80	12.00	PI RSS JG .							
5	1 X 12' R/L AC8549 - JG - 2017/08/30 HEXAGONE SS 1/2 SS303 RANDOM NS XSS-12303-V 8748		8.83	12.00	PI							
6	1 X 12' R/L AC8552 - TH - 2017/08/24 HEAT 45693 ROUND SS-5/8 303 RANDOM NS RSS-58303-V 8749		12.52	12.00	PI							
	1 X 12' R/L AC8554 - MN - 2017/08/24 HEAT: 4022											

NIR : R-109516-6

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DELIVERY - USINE

CO000466808

ACIER OUELLETTE INC.

935, Boul. du Hâvre

Salaberry de Valleyfield (Québec) J6S 5L1

Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248

Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Billed to
DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to
DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Net 30 Days

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Credit Termes

Carrier

Salesman

Your order N°

Processed by

Customer N°

Date

Delivery date

Frederic Leboeuf

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Customer N°

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Delivery date

Frederic Leboeuf



DELIVERY - CLIENT

CO00046808

ACIER OUELETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Instruction	F-M	Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
						CMD	EXP	B/O	IN	I	S	C	OUT
4	FLAT SS 1/4 X 4 17-4 PH HRAP SOL ANN RANDOM NS FS5-144174PH-V 8746		40.80	12.00	PI								
	1 X 12' R/L AC8549 - JG - 2017/08/30												
5	HEXAGONE SS 1/2 SS303 RANDOM NS XS5-12303-V 8748		8.83	12.00	PI								
	1 X 12' R/L AC8552 - TH - 2017/08/24 HEAT: 4S693												
6	ROUND SS 5/8 303 RANDOM NS RSS-58303-V 8749		12.52	12.00	PI								
	1 X 12' R/L AC8554 - MM - 2017/08/24 HEAT: 402J												

NIR : R-109516-6

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DELIVERY - CLIENT

ACIER OUELLETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N°
CL10001056

Date
2017/08/22

Delivery date
2017/08/29

Your order N°
37486
Frederic Leboeuf

Shipped to

DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

, Ontario,

OUELLETTE VALLEYFIELD

Net 30 Days

Salesman

Carrier

Credit Termes

Page

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Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route

5

Page

3

Instruction	F-M	Product Description	Weight	Qty	U/M	PCS NB	Internal Use Only							
							CMD	EXP	B/O	IN	I	S	C	OUT
7	ROUND SS 1 303 RANDOM NS RSS-1303-V	8519	64.08	24.00	P1									
	2 x 12' R/L AC8554 - MM - 2017/08/24 HEAT : 232X													
8	FLAT SS 3/4 X 2 1/2 SS304 RANDOM NS FSS-34212-V	8747	76.50	12.00	P1									
	1 x 12' R/L AC8555 - CFF - 2017/08/24 HEAT : 56161807													

NOTE : mill test needed on delivery

Total Weight (Lbs) : 419.26

NIR : R-109516-6

Conditions :

All sold and delivered materials remain the property of "Acer Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acer Ouellette Inc" is the same as offered and honored by the manufacturer and his warranty is transferred by "Acer Ouellette Inc" to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By :	Verified By :	Delivered By :	Time
---------------	---------------	----------------	------

Total (\$CAD)

Customer's Signature	Y	M	D
----------------------	---	---	---

Date

3117

SHIP TO:			
SOLD TO:			

KAISER
ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4465899

CUSTOMER PO NUMBER: C74254-4	WORK PACKAGE:	CUSTOMER PART NUMBER:		SHIP RUN/LOAD: 103945/13	GOVT CONTRACT NUMBER:
KAISER ORDER NO: 1236242-4	SHIP DATE: 7-JUN-2017	ALLOY: 2024	CLAD: BARE	TEMPER: T3	PRODUCT DESCRIPTION: HT Flat Sheet
WEIGHT SHIPPED: 2950 LB	QUANTITY: 106 PCS EST.	TRUCK B/L #: 2067265	GAUGE: 0.0400 IN (1.0160 MM)	DIAMETER/WIDTH: 48.000 IN (1219.2 MM)	LENGTH: 144.000 IN (3657.6 MM)

MHU 2116170: LOT/219547B7: 106 pieces: *D263517*

Certified Specifications

✓ AMS 4037/RevQ
CMMP 019/RevD

✓ AMS-QQ-A-250/4/RevB
✓ CMMP 025/RevV

✓ ASTM B 209/Rev14

Test Code: 1504

Lot: 219547B7

Cast 433

Drop 09

Test Results

Ingot 1

Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	68.3 : 69.0 (471 : 476)	46.8 : 47.2 (323 : 325)	17.5 : 19.1

(ASTM E1251)

Chemistry:	Si	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.08	0.21	4.6	0.57	1.3	0.01	0.11	0.02	0.01	0.01	TOT 0.04

ALLOY LIMITS

2024	Si	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
MIN(wt%)	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.05	TOT	0.15

Aluminum Remainder



Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4465899

CERTIFICATION

Kaiser Aluminum, Trentwood Works, is ISO 9001, AS9100, and ISO 14001 certified, and hereby certifies that all material shipped under this order:

- has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein.
- All test equipment and measuring devices are calibrated and certified in accordance with applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture.
- was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 225.225 for domestic content.
- has been thermally processed in compliance with AMS 2772, where applicable.
- is mercury free, within the limits of detection of ASTM E1215 (<1ppm).
- is in compliance with RoHS 2, European Union Directive 2011/65/EU.
- is in compliance with European Chemical Agency, ECHA, REACH regulations, (EC) No 1907/2006, and Kaiser regularly monitors these regulations for updates.
- is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.
- is free of weld repair.
- meets the reporting requirements of EN10204, Type 3.1.

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

JAMES HEMENWAY, TECHNICAL PROCESS MANAGER

3166

SHIP TO:			
SOLD TO:			

KAISER

ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4468996

CUSTOMER PO NUMBER:	WORK PACKAGE:	CUSTOMER PART NUMBER:		SHIP RUN/LOAD:	GOVT CONTRACT NUMBER:
C74354-7				103971/14	
KAISER ORDER NO:	SHIP DATE:	ALLOY:	CLAD:	TEMPER:	PRODUCT DESCRIPTION:
1237228-7	6-JUL-2017	2024	BARE	T3	HT Flat Sheet
WEIGHT SHIPPED:	QUANTITY:	TRUCK B/L #:	GAUGE:	DIAMETER/WIDTH:	LENGTH:
3273 LB	74 PCS EST.	2067707	0.0630 IN (1.6002 MM)	48.000 IN (1219.2 MM)	144.000 IN (3657.6 MM)

MHU 2123939: LOT 219060B1: 52 pieces; *D349/27*
MHU 2129722: LOT 219256B5: 22 pieces; *D349/28*

Certified Specifications

✓ AMS 4037/RevQ
CMMP 019/RevD

✓ AMS-QQ-A-250/4/RevB
✓ CMMP 025/RevV

✓ ASTM B 209/Rev14

Test Code: 1504
Lot: 219060B1

Cast 463

Test Results
Drop 55 Ingot 4

Melted in USA

(ASTM E8/B557)
(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	66.0 : 66.3 (455 : 457)	44.1 : 44.3 (304 : 305)	17.0 : 19.7

(ASTM E1251)

Chemistry:	Si	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.08	0.20	4.6	0.55	1.3	0.01	0.09	0.02	0.01	0.00	TOT 0.05
Lot: 219256B5	Cast 463		Drop 19		Ingot 1						Melted in USA

(ASTM E8/B557)
(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	67.0 : 67.2 (462 : 463)	46.2 : 46.7 (319 : 322)	18.6 : 19.0

(ASTM E1251)

Chemistry:	Si	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.08	0.21	4.7	0.55	1.4	0.01	0.10	0.02	0.01	0.01	TOT 0.06



Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4468996

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
2024												
MIN(wt%)	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.05	TOT	0.15

Aluminum Remainder

CERTIFICATION

Kaiser Aluminum, Trentwood Works, is ISO 9001, ASS100, and ISO 14001 certified, and hereby certifies that all material shipped under this order:

- has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein.
- All test equipment and measuring devices are calibrated and certified in accordance applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture.
- was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.
- has been thermally processed in compliance with AMS 2772, where applicable.
- is mercury free, within the limits of detection of ASTM E1215 (<1ppm).
- is in compliance with RoHS 2, European Union Directive 2011/65/EU.
- is in compliance with European Chemical Agency, ECHA, REACH regulations, (EC) No 1907/2008, and Kaiser regularly monitors these regulations for updates.
- is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.
- is free of weld repair.
- meets the reporting requirements of EN10204, Type 3.1.

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

JAMES HEMENWAY, TECHNICAL PROCESS MANAGER

400 808 parasse 24 DART AC 8555

 Bollinghaus Steel, SA DIN EN ISO 9001:2008 TÜV CERT No. 01 100 030458	Abnahmeprüfzeugnis/Mill Test Certificate/Certif. de Qualidade EN 10204:2004 / 3.1								Nr. / Nr. / Nr.: 0000124585						
	Unsere Innere Verweisung /Our Int. Ref/ N/ref int 5600033444 000070								Datum / Date / Data 24.01.2017						
Normen / Standards / Normas															
TYPE 304/UNS S30400 and TYPE 304L/UNS S30403 acc. to ASTM A479/A479M-16a, A276/A276M-16a, SAE-AMS-QQ-S 763D, AMS5639H, AMS5847J, ASME SA479/SA479M, ASME SA276, ASTM A182/A182M-16a F304/304L, A193/A193M-16 CL.1Gr.B8, ASTM A314-15, ASTM A320/A320M-15a, DOD-F24669/8, ASME SA182/SA182M, ASME SA 193/SA193M, ASME SA320 CL.1Gr.B8, ASTM A262-15 Practice E, grain size as per ASTM E112, NACE MR 0175 Mercury free statement, not weld repair statement, contents of N, Co, Mo and Cu, ASTM A484/A484M-16.															
Kunde / Customer / Cliente							Endgültiger Kunde / Final Customer / Cliente Final								
Bestell Nr./Order Nr./Enc. Nr. C107037							Bestell Nr./Order Nr./Enc. Nr. C107037.4								
Produktgruppe / Product Group / Grupo Produto AISI 304/L FLAT 3/4 X 2-1/2"				Gewicht / Weight / Peso 4.128 lb				Bunde / Bundle / Atados 02							
Werkstoff-Nr. Material-no. Qualidade				Werkstoff-Normbezeichnung / Material standard grade / Norma do material X 2 CrNi 18-9											
Beschreibung / Description / Descrição															
Stainless steel flat bars, hot rolled, solution annealed, straightened, pickled. US DFAR 252.225-7009: MELT SOURCE: United Kingdom / MFG. Portugal.															
Schmelznr. Cast nr. / Peça nr.		Chemische Analyse in % / Chemical composition in % / Analise química em %													
50161807		C	0.018	Si	0.300	Mn	1.710	P	0.032	S	0.028	Cr	18.110	Ni	8.040
EAF+AOD		Mo	0.320	Co	0.153	Cu	0.540	N	0.080	Ti	0.006	Nb	0.018	Al	0.006
Proben-Nr. Test no. Atmosph.-no.		ASTM E399				ASTM A370									
		Kerbschlagarbeit Impact Test Resiliencia				Streckgrenze Yield point Tensão limite	Dehngrenze 1% point Limite de extensão	Zugfestigkeit Tensile strength Tensão de rotura	Dehnung Elongation Alongamento		Einschmelzung Reduction of area Corf. Estrição				
		{Charpy V} [J]				Rp 0.2 %	Rp 1,0%	Rm	A5	4D	Z				
3059261.01.01		199.0				56.9	63.1	97.3	56.2	58.1	84.5				
		199.0				56.9	63.1	97.3	56.2	58.1	84.5				
Visualis Kontrolle Visual inspection Inspeção visual		ASTM E10				ASTM A262 Practice E				Wärmebehandlung Heat treatment Tratamento térmico					
		Härte Hardness Dureza [HB]				Korrosionsebeständigkeit IC Test Corroção Interstitalina				Annealed Quenched 1900 °F (1060 °C) (water quenched)					
ASTM A484 Maßkontrolle Dimensional inspection Inspeção dimensional		ASTM E112				Werkstoffverständiger Quality Control Representative Inspector de Qualidade				Nuno Silva (Ω-NS)					
		Korngröße Grain size Tamanho do grão				Material free from segregation defects.				Bollinghaus Steel, SA					
Bemerkungen / Remarks / Observações															
Country of origin: Portugal. No weld repair done. Material is free of mercury and radiation contamination. 1.000 kg 1.000 kg 1.000 kg															
Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht. We confirm that this material meets the specification according the mentioned standards. Confirmamos que este material respeita as especificações de acordo com as normas referidas.															

197390

3117

SHIP TO:			
SOLD TO:			

KAISER
ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4465899

CUSTOMER PO NUMBER: C74254-4	WORK PACKAGE:	CUSTOMER PART NUMBER:		SHIP RUN/LOAD: 103945/13	GOVT CONTRACT NUMBER:
KAISER ORDER NO: 1236242-4	SHIP DATE: 7-JUN-2017	ALLOY: 2024	CLAD: BARE	TEMPER: T3	PRODUCT DESCRIPTION: HT Flat Sheet
WEIGHT SHIPPED: 2950 LB	QUANTITY: 106 PCS EST.	TRUCK B/L #: 2067265	GAUGE: 0.0400 IN (1.0160 MM)	DIAMETER/WIDTH: 48.000 IN (1219.2 MM)	LENGTH: 144.000 IN (3657.6 MM)

MHU 2116170: LOT/219547B7: 106 pieces; *D263517*

Certified Specifications

✓ AMS 4037/RevQ
CMMP 019/RevD

✓ AMS-QQ-A-250/4/RevB
✓ CMMP 025/RevV

✓ ASTM B 209/Rev14

Test Code: 1504
Lot: 219547B7 *Cast 433* DAS
5
9-89

Test Results
Drop 09 Ingot 1

Melted in USA

(ASTM E8/B557)
(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	68.3 : 69.0 (471 : 476)	46.8 : 47.2 (323 : 325)	17.5 : 19.1

(ASTM E1251)

Chemistry:	Si	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.08	0.21	4.6	0.57	1.3	0.01	0.11	0.02	0.01	0.01	0.04

ALLOY LIMITS

2024	Si	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
MIN(wt%)	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.05	TOT	0.15

Aluminum Remainder



Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4465899

CERTIFICATION

Kaiser Aluminum, Trentwood Works, is ISO 9001, AS9100, and ISO 14001 certified, and hereby certifies that all material shipped under this order:

- has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein.
- All test equipment and measuring devices are calibrated and certified in accordance applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture.
- was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.
- has been thermally processed in compliance with AMS 2772, where applicable.
- is mercury free, within the limits of detection of ASTM E1215 (<1ppm).
- is in compliance with RoHS 2, European Union Directive 2011/65/EU.
- is in compliance with European Chemical Agency, ECHA, REACH regulations, (EC) No 1907/2006, and Kaiser regularly monitors these regulations for updates.
- is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.
- is free of weld repair.
- meets the reporting requirements of EN10204, Type 3.1.

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

JAMES HEMENWAY, TECHNICAL PROCESS MANAGER

3166

SHIP TO:

KAISER
ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

SOLD TO:

CERTIFIED TEST REPORT

Serial Number
4468996

CUSTOMER PO NUMBER:	WORK PACKAGE:	CUSTOMER PART NUMBER:	SHIP RUN/LOAD:	GOVT CONTRACT NUMBER:	
C74354-7			103971/14		
KAISER ORDER NO:	SHIP DATE:	ALLOY:	CLAD:	TEMPER:	
1237228-7	6-JUL-2017	2024	BARE	T3	HT Flat Sheet
WEIGHT SHIPPED:	QUANTITY:	TRUCK B/L #:	GAUGE:	DIAMETER/WIDTH:	LENGTH:
3273 LB	74 PCS EST.	2067707	0.0630 IN (1.6002 MM)	48.000 IN (1218.2 MM)	144.000 IN (3657.6 MM)

MHU 2123939: LOT 219060B1: 52 pieces;

D349127

MHU 2129722: LOT 219256B5: 22 pieces;

D349128

Certified Specifications

✓ AMS 4037/RevQ
CMMP 019/RevD

✓ AMS-QQ-A-250/4/RevB
✓ CMMP-025/RevV

✓ ASTM B 209/Rev14

Test Code: 1504
Lot: 219060B1

Cast 463

DAS
5
9-89

Drop 55

Test Results
Ingot 4

Melted in USA

(ASTM E8/B557)
(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	66.0 : 66.3 (455 : 457)	44.1 : 44.3 (304 : 305)	17.0 : 19.7

(ASTM E1251)

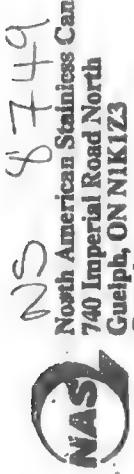
Chemistry:	Si	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.08	0.20	4.6	0.55	1.3	0.01	0.09	0.02	0.01	0.00	TOT 0.05
Lot: 219256B5	Cast 463				Drop 19		Ingot 1				Melted in USA

(ASTM E8/B557)
(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	67.0 : 67.2 (462 : 463)	46.2 : 46.7 (319 : 322)	18.6 : 19.0

(ASTM E1251)

Chemistry:	Si	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.08	0.21	4.7	0.55	1.4	0.01	0.10	0.02	0.01	0.01	TOT 0.06



NS 4749
North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

Certificate: 304908 2 Mail To:
Customer: 007080 003

Your Order:

MM5770

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Drawn
DIN 30300, ASTM A582/12, EN 10204 3.1, ASTM A484/15
AMS 5640V TYPE 1, QOS-2642 CONDITION A
SOLUTION ANNEAL, 1900°F MIN, ASTM F899/12b

Ship To:

MS Order: IN 0248740 01

REMARKS:

COPIES W/REMARKS OF DMR 252-225-7009 EU DIRECTIVE
2011/65/EU. EN+ADH+CC. NO WELD REPAIR. REHEATED AND MFG
IN U.S. FREE FROM MERCURY AND LOW MERCURIC ALLOY CONCENTRATION

CO 46808 DART
METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

date: 6/20/2017 Page: 1
Steel: 103
Finish: CD
Corrosion:

10-8554

DAS
14
9-89
17/08/30

Product Id	Size & Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BT7223 1	.6250	659	144.00	1	1		
AMS 5640V 402J	IN .030	CO % .19	CD % 17.15	MD % .32	ME % 1.83	MI % .28	PP % .039
		SI %	SI %				
		.3320	.57				

MECHANICAL PROPERTIES

Product Id	14 625	IN No.	.258 MM	UTS KSI	EL %	ELNG %	4D
BT7223 1	IN L	193.0	78.98	110.00	30.99	21.56	

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items

Technical
Name _____

Item-SBR 625 CD 303 Heat #402J

114 400 114
W.S. 400 114

North American Stainless Canada Inc.
40 Imperial Road North
Guelph, ON N1K1Z3
Canada

10-8337
6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

METALLURGICAL TEST REPORT

Call Toll Free: 376093

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Kinder Onderwijs

หน้า 611

PROJECT DESCRIPTION:

PROJECT DESCRIPTION:

18

REMARKS

ROUND BAR, Annealed, Cold Draw
JIS 30300, ASTM A582/12, EN 10204 3.1, ASTM A484/15
COMPLIES W/ REQUIREMENTS OF DUNAR 252-225-7009 EU DIRECTIVE
2011/65/EU. ROHS, EAT+AD+CC. NO WELD REPAIR. HEATED AND MFG
IN USA. FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

17/08/29

Product Id	End # & Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
214098 0	1.0000	820		144.00	1	1	

C H E M I C A L A N A L Y S I S

MECHANICAL AND ELECTRICAL

Product Id	Line	Color	Size	No.	2X6 NSI	UTS NSI	RA %	Ring %	4D
BL4094 C	BL	156-0			43.00	84.00	58.00	48.00	

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प्राचीन भारतीय विज्ञान

Item-SBB 1 000 ST 303 Heat #-2328

CU
H6 906

Panasse 24

DART

AC 8555

 Bollinghaus Steel, SA DIN EN ISO 9001:2008 TÜV CERT No. 01 100 030458		Abnahmeprüfzeugnis/Mill Test Certificate/Certif. de Qualidade EN 10204:2004 / 3.1 Unsere Innere Verweisung /Our Int. Ref/ N/ ref int 5600033444 000070								Nr. / Nr. / Nr.: 0000124585				
										Datum / Date / Data 24.01.2017				
Normen / Standards / Normas														
TYPE 304/L UNS S30400 and TYPE 304/L UNS S30403 acc. to ASTM A479/A479M-16a, A276/A276M-16a, SAE-AMS-QQ-S 763D, AMS5639H, AMS5647J, ASME SA470/SA470M, ASME SA276, ASTM A182/A182M-16a F304/304L, A193/A193M-16 CL.1Gr.B8, ASTM A314-15, ASTM A320/A320M-15a, DOD-F24669B, ASME SA182/SA182M, ASME SA 193/SA193M, ASME SA320 CL.1Gr.B8, ASTM A262-15 Practice E, grain size as per ASTM E112, NACE MR 0175 Mercury free statement, not weld repair statement, contents of N, Co, Mo and Cu, ASTM A484/A484M-16.														
Kunde / Customer / Cliente Bestell Nr./Order Nr./Enc. Nr.: C107037						Endgültiger Kunde / Final Customer / Cliente Final DAS 14 9-89 17/08/30								
Produktgruppe / Product Group / Grupo Produto AISI 304/L FLAT 3/4 X 2-1/2"						Gewicht / Weight / Peso 4.128 lb			Bundle / Bundle / Atados 02					
Werkstoff-Nr. Material-no. Qualidade			Werkstoff-Normbezeichnung / Material standard grade / Norma do material 1.4307 X 2 CrNi 18-9											
Beschreibung / Description / Descrição														
Stainless steel flat bars, hot rolled, solution annealed, straightened, pickled. US DFAR 252.225-7009: MELT SOURCE: United Kingdom / MFG. Portugal.														
Schmelzen Nr. Cast nr. / Peça nr.														
Chemische Analyse in % / Chemical composition in % / Análise química em %														
56161807 EAF+AOD	C	0.018	Si	0.300	Mn	1.710	P	0.032	S	0.028	Cr	18.110	Ni	8.040
	Mo	0.320	Co	0.153	Cu	0.540	N	0.080	Ti	0.006	Nb	0.018	Al	0.005
Proben Nr. Test no. Abmessung	ASTM E399				ASTM A370									
	Kerbschlagarbeit Impact Test Resilience		Streckgrenze Yield point Tensão limite	Dehngrenze 1% point Límite de extensão	Zugfestigkeit Tensile strength Tensão de retorne	Dehnung Elongation A longamento		Einschmelzung Reduction of area Coef. Estrição						
	(Charpy V)		Rp 0.2 %	Rp 1.0%	Rm	A5	4D	Z						
	[J]		[Ksi]	[Ksi]	[Ksi]	[%]	[%]	[%]						
3059261.01:01	199.0	56.9	63.1	97.3	56.2	58.1	64.5							
Visueller Kontrolle Visual Inspection Inspeção visual	<input checked="" type="checkbox"/> Ok	ASTM E10				ASTM A262 Practice E				Wärmebehandlung Heat treatment Tratamento Térmico				
		Härte Hardness Dureza	200	[HB]	Korrosionsbeständigkeit IC Test Corrosão intergranular	Ok								
ASTM A484 Maßkontrolle Dimensional inspection Inspeção dimensional	<input checked="" type="checkbox"/> OK	ASTM E112				Werksachverständiger Quality Control Representative Inspector da Qualidade				Annealed Quenched 1980 °F (1050 °C) (Water quenched)				
		Korngröße Grain size Tamanho da grão	9											
Verwendungsprüfung Test of Identity Teste de identificação	<input checked="" type="checkbox"/> Ok	Makroskopische Untersuchung Macrographic test				Nuno Silva (N-NS)				Bollinghaus Steel, SA				
		Material free from segregation defects.	Ok											
Bemerkungen / Remarks / Observações						Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht.								
Country of origin: Portugal. No weld repair done. Material is free of mercury and radiation contamination.						We confirm that this material meets the specification according the mentioned standards.								
						Confirmamos que este material respeita as especificações de acordo com as normas referidas.								

197390

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MAC24735.040
 DATE: AUG 31 2017

PO / BATCH NO.: po 37486/m138389

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 4856ft
 QUANTITY INSPECTED: 4856ft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .040
 THICKNESS RECEIVED: .040
 SHEET SIZE ORDERED: 4x12
 SHEET SIZE RECEIVED: 4x12

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL PER M-DRAWING	Y	N	AMS QQ 4 250
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT REF # TO LINK CERT	Y	N	47 # 433
CORRECT MATERIAL IDENTIFICATION	Y	N	
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>5</u>	SIGNED OFF BY: _____	
DATE: <u>AUG 31 2017</u>		DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 2024-T3 ALUMINUM SHEET
SPECIFICATION: QQ-A-250/4 OR AMS-QQ-A-250/4
OR AMS 4037
OR ASTM B209
5
9-89

△ PART NUMBER:

M2024T3S XXX

THK

WHERE "XXX" = SHEET THICKNESS (IN INCHES)

EG. 0.063" THICK SHEET = M2024T3S.063

PREFERRED SIZE:

XXX BY 4FT BY 10FT

RELEASED
R 2009-05-13
JW

B	REFORMATTED DWG. ADD ASTM B209 SPEC (ZIN D8-1), PAR 09-2020A	C	CP 09-07-07
A	NEW ISSUE	D	DS 01/09/24
REV	DESCRIPTION	E	DATE BY
DESIGN		F	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN		G	DRAWING NO M2024T3S
CHECKED		H	REV. B SHEET 1 OF 1
MFG. APPR.		I	TITLE 2024-T3 SHEET SPEC
APPROVED		J	SCALE NTS
DE APPR.		K	DATE 09-07-07

THIS DOCUMENT IS THE PROPERTY OF DART AEROSPACE LTD.
IT IS TO BE USED FOR ANY PURPOSE, OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT
WRITTEN APPROVAL FROM DART AEROSPACE LTD.

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M2024135.063
 DATE: AUG 31 2017

PO / BATCH NO.: PC37486/M138389

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 144 SQ FT
 QUANTITY INSPECTED: 144 SQ FT
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .063
 THICKNESS RECEIVED: .063
 SHEET SIZE ORDERED: 4X12
 SHEET SIZE RECEIVED: 4X12

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> <input type="checkbox"/> N	AMS QQ A 250
CORRECT THICKNESS	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> <input type="checkbox"/> N	H7 # 463
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	5	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>8-89</u>		SIGNED OFF BY: _____
DATE: <u>AUG 31 2017</u>		DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 2024-T3 ALUMINUM SHEET

QQ-A-250/4 OR AMS-QQ-A-250/4
OR AMS 4037
OR ASTM B209

M2024T3S|XXX|THK

WHERE "XXX" = SHEET THICKNESS (IN INCHES)

EG. 0.063" THICK SHEET = M2024T3S.063

PREFERRED SIZE:
.XXX BY 4FT BY 10FT

SPECIFICATION:

△ B

PART NUMBER:

C

DA-5

5

9-85

WHERE "XXX" = SHEET THICKNESS (IN INCHES)

EG. 0.063" THICK SHEET = M2024T3S.063

PREFERRED SIZE:
.XXX BY 4FT BY 10FT

DA-5

9-85

DA-5

9-85

RELEASED
R 2009-03-03
JW

B	REFORMAT DWG. ADD ASTM B209 SPEC (ZN DB-1), PAR	CP	09-07-07
A	NEW ISSUE	DS	01-09-24
REV	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		M2024T3S	SHEET 1 OF 1
APPROVED		TITLE	NTS
DE APPR.		2024-T3 SHEET SPEC	SCALE
DATE	09-07-07		

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D	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M303 R1.00
DATE 17/08/29

PO / BATCH NO 37486/138389

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 24.700
QUANTITY INSPECTED 24.700
QUANTITY REJECTED

THICKNESS ORDERED 1.00
THICKNESS RECEIVED 1.00
SHEET SIZE ORDERED
SHEET SIZE RECEIVED

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> <u>N</u>	
CORRECT FINISH	<input checked="" type="checkbox"/> <u>N</u>	
CORROSION	<input checked="" type="checkbox"/> <u>N</u>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> <u>N</u>	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> <u>N</u>	<u>ASTM A582</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> <u>N</u>	
PHOTO REQUIRED	<input checked="" type="checkbox"/> <u>N</u>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> <u>N</u>	<u>HEAT # 232X</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> <u>N</u>	<u>M303 R1.00</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> <u>N</u>	<u>M138389</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	FRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>Amf</u>	SIGNED OFF BY: _____
DATE <u>17/08/29</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS ROUND BAR
(NOTE: AISI 304/316 NOT ACCEPTABLE)

SPECIFICATION:
PART NUMBER:
ASTM A82
M303RD.DDD
|
| DIA.
WHERE "DDD" = DIAMETER IN INCHES
EG. 0.75" ROUND BAR = M303RD.750

Re-Lent 320
2010-02-02

B	REFORMAT DNG. ADD SPECS (ZN 04-1). REF PAR 04-020A	CP	10/01/08
A	NEW ISSUE	DS	01/12/20
REV	DESCRIPTION	BY	DATE
DESIGN	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
DRAWN	DRAWING NO.	REV. B	
CHECKED	M303R	SHEET 1 OF 1	
MFG. APPR.		SCALE	
APPROVED	TIME	NTS	
DE APPR.	303 ROUND BAR		
DATE	10.01.05		

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M6061L RO.563
DATE 17/08/30

PO BATCH NO 37486/38389

MATERIAL CERT REC'D YES
QUANTITY RECEIVED 204'
QUANTITY INSPECTED 204'
QUANTITY REJECTED

THICKNESS ORDERED .563
THICKNESS RECEIVED .564
SHEET SIZE ORDERED
SHEET SIZE RECEIVED

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> <input type="checkbox"/> N	ASTM A221
CORRECT THICKNESS	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT REF# TO LINK CERT	<input checked="" type="checkbox"/> <input type="checkbox"/> N	HEAT# 02151604
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT ID# ON THE MATERIAL	<input checked="" type="checkbox"/> <input type="checkbox"/> N	M138389
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DURA	DURD	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14</u> <u>0.82</u>	SIGNED OFF BY: _____
DATE: <u>17/08/30</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T6510/T6511/T6512 ALUMINUM ROUND BAR
SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

△ PART NUMBER:

M6061T6RIDDDD
| DIA.

WHERE "D.DDD" = DIAMETER IN INCHES
EG. 5/8" ROUND BAR = M6061T6R0.625

RELEASED
2009-09-09
MAP

B	REF/FORMAT DWG. ADD B211& B221 SPEC (ZN D8-1), REF/PART 06-020A	CP	09/07/13
A	NEW ISSUE	DS	01/06/08
REV	DESCRIPTION	BY	DATE
DESIGN	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
DRAWN	DRAWING NO	REV B	
CHECKED	M6061T6R	SHEET 1 OF 1	
MFG. APPR.	TITLE	SCALE	
APPROVED		NTS	
DE APPR			
DATE	09.07.13		

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL 4304 BD. 750X2.506
 DATE 17/08/30

PC BATCH NO 37486 1/38389

WATER AL CERT REC'D yes
 QUANTITY RECEIVED 13.33
 QUANTITY INSPECTED 13.33
 QUANTITY REJECTED

THICKNESS ORDERED .750
 THICKNESS RECEIVED .750
 SHEET SIZE ORDERED
 SHEET SIZE RECEIVED

DESCR PTN/CN	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> N	
CORR RCS CN	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> N	ASTM A276
CORRECT THICKNESS	<input checked="" type="checkbox"/> N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> N	HEAT # 56161807
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> N	4758389
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DURA	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14</u>	SIGNED OFF BY _____
DATE: <u>17/08/30</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

△ PURCHASE MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE
(NOTE: AISI 303 NOT ACCEPTABLE)

△ SPECIFICATION:
ASTM A276 OR ASTM A240

M304B|T, TTT |W|WW|
M304B|THICK| WIDTH|

WHERE "T, TTT" = THICKNESS IN INCHES
AND "W, WWW" = WIDTH IN INCHES

△ EG. 0.5" x 3.0" BAR = M304B0.500X03.000
EG. 0.5" x 12.0" PLATE = M304B0.500X12.000

M304 B.750X2.50

ADDED PLATE TO PURCHASE MATERIAL ADDED PLATE			
C	FROM 304/316 BAR TO 304/316 BAR PLATE	M6	10/11/25
B	REFORMATT DWG. ADD. SPEC'S (ZIN DB-1). REF. PAR 08-020A	CP	08/07/15
A	NEW ISSUE	PH	05/06/10
REV	DESCRIPTION	BY	DATE
DESIGN	<i>AB</i>		
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			

RELEASER
2010-11-30 *AN*

DART AEROSPACE LTD			
	HAWKESBURY, ONTARIO, CANADA	REV. C	
	DRAWING NO. M304B	SHEET 1 OF 1	
	TITLE 304/316 BAR/PLATE	SCALE	
	DATE 10.11.25	NTS	

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL M303 RD.625
DATE 17/08/30

PO BATCH NO 37486/138389

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 12
QUANTITY INSPECTED 12
QUANTITY REJECTED

THICKNESS ORDERED .625
THICKNESS RECEIVED .625
SHEET SIZE ORDERED
SHEET SIZE RECEIVED

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/>	
CORRECT FINISH	Y <input checked="" type="radio"/>	N
CORROSION	Y <input checked="" type="radio"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/>	N
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="radio"/>	ASTM A582
CORRECT THICKNESS	Y <input checked="" type="radio"/>	N
PHOTO REQUIRED	Y <input checked="" type="radio"/>	N
CORRECT REF# TO LNK CERT	Y <input checked="" type="radio"/>	HEAT # 4025
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="radio"/>	M303 RD.625
CORRECT # ON THE MATERIAL	Y <input checked="" type="radio"/>	M138389
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	PRC	HRB	DURA	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	14	ENGINEERING SIGNOFF (if required)
INSPECTED BY:	14	SIGNED OFF BY: _____
DATE:	17/08/30	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS ROUND BAR
(NOTE: AISI 304/316 NOT ACCEPTABLE)

SPECIFICATION:

ASTM A582

PART NUMBER:
M303R^{D,DDD}
[DIA.]

WHERE "D,DDD" = DIAMETER IN INCHES

EG. 0.75" ROUND BAR = M303R0.750



M303 R.625
M138389

RELEASED
R 2010-02-02
MP

B	REFORMAT DING ADD SPECS (ZIN D8-1), REF PAR 08-200A	CP	10/01/05
A	NEW ISSUE	DS	01/12/20
REV	DESCRIPTION	BY	DATE
DESIGN	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
DRAWN	DRAWING NO. M303R		
CHECKED	REV. B SHEET 1 OF 1		
MFG. APPR.	TITLE		
APPROVED	303 ROUND BAR		
DE APPR	SCALE NTS		
DATE	10.01.05		

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2010-02-02

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303 H0.500
 DATE: 17/08/30

PO / BATCH NO.: 37486/138389

MATERIAL CERT REC'D yes
 QUANTITY RECEIVED 12
 QUANTITY INSPECTED: 12
 QUANTITY REJECTED: _____

THICKNESS ORDERED .500
 THICKNESS RECEIVED .500
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>ASTM A582</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>HEAT # 45693</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>M303 H0.500</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>M138389</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14</u> <u>0.80</u>	SIGNED OFF BY: _____
DATE: <u>17/08/30</u>	DATE: _____

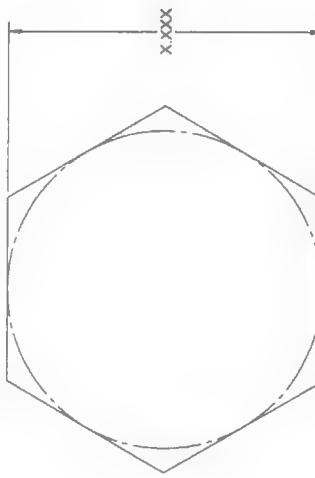
Attach this Inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS HEX BAR
(NOTE: AISI 304/316 NOT ACCEPTABLE)

⚠
SPECIFICATION:
ASTM A582
PART NUMBER:
M303H X.XXX |
HEX
DIA.

WHERE "X.XXX" = INSCRIBED DIAMETER OF HEX BAR IN INCHES
EG. 0.5" HEX BAR = M303H0.500



RELEASED
R 2010-07-02
MR

B	REFORMAT DNG. ADD SPECS (ZN D8-1).	CP	10/01/05
A	NEW ISSUE	DS	02/04/30
REV	DESCRIPTION	BY	DATE
DESIGN	DART AEROSPACE LTD HAWTHORPE, ONTARIO, CANADA		
DRAWN	<i>[Signature]</i>	DRAWING NO.	REV. B
CHECKED	<i>[Signature]</i>	M303H	SHEET 1 OF 1
MFG. APPR.	<i>[Signature]</i>	TITLE	SCALE
APPROVED	<i>[Signature]</i>	303 HEX BAR	NTS
DE APPR.	<i>[Signature]</i>	DATE	2010-01-05

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Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4468996

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
2024												
MIN(wt%)	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.05	TOT	0.15
Aluminum Remainder												

CERTIFICATION

Kaiser Aluminum, Trentwood Works, is ISO 9001, AS9100, and ISO 14001 certified, and hereby certifies that all material shipped under this order:

- has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein.
- All test equipment and measuring devices are calibrated and certified in accordance with applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture.
- was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.
- has been thermally processed in compliance with AMS 2772, where applicable.
- is mercury free, within the limits of detection of ASTM E1215 (<1ppm).
- is in compliance with RoHS 2, European Union Directive 2011/65/EU.
- is in compliance with European Chemical Agency, ECHA, REACH regulations, (EC) No 1907/2006, and Kaiser regularly monitors these regulations for updates.
- is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.
- is free of weld repair.
- meets the reporting requirements of EN10204, Type 3.1.

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

JAMES HEMENWAY, TECHNICAL PROCESS MANAGER



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO37486**

Purchase Order Date 8/21/2017
PO Print Date 8/21/2017

Page Number 1 of 9

Order From :
ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

VC-CAM002

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

EMAILED
EC
AUG 21 2017

Contact Name
Vendor Phone 800 667 4248
Ship To Contact
Ship To Phone
Ship Via: Yours ppd
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M174B0.250X4.000	17-4 BAR 0.250" X 4.000"	8/31/2017 Yes	12.00 f		\$30.42	\$365.00
			8/31/2017				
		MATERIAL: 17-4 PH SS BAR AS PER AMS 5604 / 5643 GRAIN DIRECTION MUST BE ALONG LENGTH MINIMUM YIELD TENSILE STRENGTH = 100KSI MINIMUM ULTIMATE TENSILE = 150 KSI					

2	M2024T3S.040	2024-T3 .040 sheet	8/25/2017 Yes	48.00 sf	Line Total: \$4.23	\$202.94
			8/25/2017			

MATERIAL: 2024-T3 ALUMINUM SHEET
AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037
OR ASTM B209

14.
SOP 8-29.

PO Instructions: quotation, sou0052051

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO37486**

Purchase Order Date 8/21/2017
PO Print Date 8/21/2017

Page Number 3 of 9

Order From : VC-CAM002
ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 800 667 4248
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Ship To Phone
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Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

				Line Total:	
					\$54.42
6	M303R0.625	303 Round Bar 0.625"	8/25/2017 Yes 8/25/2017	12.00 f	\$3.50 \$42.00

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

				Line Total:	
					\$42.00
7	M303R1.000	303 Round Bar 1.00	8/25/2017 Yes 8/25/2017	24.00 f	\$8.25 \$198.00

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

8/21/2017
SOP-8-291

Line Total: \$198.00

PO Instructions: quotation, sou0052051

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO37486**

Purchase Order Date 8/21/2017

PO Print Date 8/21/2017

Page Number 4 of 9

Order From :

ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

VC-CAM002

Ship To :

DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 800 667 4248

Buyer Chantal Lavoie

Ship To Contact
Ship To Phone
Ship Via: Yours ppd
Ship Acct:

Customer POID 10127-2607
Customer Tax #
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

8	M304B0.750X2.500	304 BAR .750 X 2.50	8/25/2017	12.00	\$23.33	\$280.00
			Yes	f		
			8/25/2017			

MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS
AS PER ASTM A276 OR ASTM A240

NOTE: AISI 303 NOT ACCEPTABLE

SPN8-29.

9	M304R1.000	304 round bar 1.00	8/25/2017	12.00	\$7.90	\$94.82
			Yes	f		
			8/25/2017			

MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276

(NOTE: AISI 303 NOT ACCEPTABLE)

Line Total: \$280.00

SPN8-23

Line Total: \$94.82

PO Instructions: quotation, sou0052051

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO37486**

Purchase Order Date 8/21/2017

PO Print Date 8/21/2017

Page Number 5 of 9

Order From :

ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

VC-CAM002

Ship To :

DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 800 667 4248

Ship To Contact
Ship To Phone
Ship Via: Yours ppd
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

10 M304S11GA	304/316 0.125 Sheet	8/25/2017	32.00	\$12.23	\$391.36
		Yes	sf		
		8/25/2017		1X	

PURCHASE MATERIAL: AISI 304/316 SS SHEET

ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

11 M304S18GA	304/316 .050 Sheet	8/25/2017	64.00	Line Total:	\$391.36
		Yes	sf		
		8/25/2017		21.	

PURCHASE MATERIAL: AISI 304/316 SS SHEET

ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

8/21/17-23

Line Total:	\$342.72
-------------	----------

PO Instructions: quotation, sou0052051

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO37486**

Purchase Order Date 8/21/2017

PO Print Date 8/21/2017

Page Number 6 of 9

Order From :

ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

VC-CAM002

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 800 667 4248

Buyer Chantal Lavoie

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Customer POID

10127-2607

Customer Tax # Net 30

Terms

Currency CAD

FOB

FCA - (Free Carrier)

Ship Acct:

12 M304S16GA	304/316 Sheet .063	8/25/2017	64.00	\$6.51	\$416.56
		Yes	sf	2X.	
		8/25/2017			

PURCHASE MATERIAL: AISI 304/316 SS SHEET

ANNEALED

SPECIFICATION: MIL-S-5059

OR AMS 5513 (304)

OR AMS 5524 (316)

ORASTMA240

OR ASME SA240

13 M304S24GA	304/316 .025 Sheet	8/25/2017	32.00	Line Total: \$416.56	\$92.72
		Yes	sf	1X.	
		8/25/2017			

8P78-23.

PURCHASE MATERIAL: AISI 304/316 SS SHEET

ANNEALED

SPECIFICATION: MIL-S-5059

OR AMS 5513 (304)

OR AMS 5524 (316)

ORASTMA240

OR ASME SA240

Line Total: \$92.72

PO Instructions: quotation, sou0052051

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO37486**

Purchase Order Date 8/21/2017

PO Print Date 8/21/2017

Page Number 7 of 9

Order From :

ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

VC-CAM002

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 800 667 4248

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Ship To Contact
Ship To Phone
Ship Via: Yours ppd
Ship Acct:

14 M6061T6R0.563 ✓ 6061-T6 ROUND BAR .563 ✓ 8/25/2017 204.00 ✓ \$1.01 \$206.78
Yes 8/25/2017 f

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$206.78

15 M6061T6R0.750 ✓ 6061-T6 Round Bar .750" ✓ 8/25/2017 20.00 ✓ \$1.34 \$26.77
Yes 8/25/2017 f i x

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$26.77

16 M6061T6R1.250 ✓ 6061-T6 Round Bar 1.250 ✓ 8/25/2017 20.00 ✓ \$3.69 \$73.76
Yes 8/25/2017 f

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

SPR 8-23,

PO Instructions: quotation, sou0052051

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO37486**

Purchase Order Date 8/21/2017
PO Print Date 8/21/2017

Page Number 8 of 9

Order From :

ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
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CA

VC-CAM002

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 800 667 4248

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Ship To Phone
Ship Via: Yours ppd
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

			Line Total:	
17	M6061T6S.125 ✓	6061-T6 .125 Sheet ✓	8/25/2017 Yes 8/25/2017	\$73.76
			32.00 sf ✓	\$6.46
				\$206.57

MATERIAL: 6061-T6/T62 ALUMINUN SHEET AS PER
QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
OR ASTM B209

			Line Total:	
18	71401-45	PROCUREMENT QUALITY CLAUSES ✓	8/25/2017 No 8/25/2017	\$206.57
			1.00 ✓	\$0.00
				\$0.00

SPD 8-23

PO Instructions: quotation, sou0052051

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

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Purchase Order Date 8/21/2017

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Page Number 9 of 9

Order From :

ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

VC-CAM002

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 800 667 4248

Ship To Contact
Ship To Phone
Ship Via: Yours ppd
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

PO Total: \$4,019.73

PO Instructions: quotation, sou0052051

M
CL

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 8/21/2017



ACIER OUELLETTE INC.

935, Boul. du Havre
 Salaberry de Valleyfield (Québec) J6S 5L1
 Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation

SOU0052051

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.
 HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Customer N° CLI0001056
Date 2017/08/17
Revision N° 0
Prices valid until 2017/08/24
Your Order N°
Processed by BERNARD
Salesman JOSIANNE
Carrier OUELLE SDV
Credit Terms Net 30 Days
Page 1

Product N° and description	Weight	Qty U/M	Qty U/M	Price	Pcs Nb	Price	Amount
PLAT 17-4 PH 1/4 X 4 N 1 X 12' 7-10 DAYS	0.00	1.00 UN	1.00 UN		1.00	365.000	365.00
<u>ROND 17-4 3/4" DIA</u> N 1 X 12' 2-3 DAYS	0.00	1.00 UN	1.00 UN		1.00	102.000	102.00
ALU SHEET .040 (18G) 2024-T3 5A (4 X 12) FEAL-0404122024A 3117 1 X 4' X 12' 3-4 DAYS BARE	27.02	48.00 PI2_\$CLB	1.00 UN		1.00	202.940	202.94
ALU SHEET .064 (14G) 2024-T3 (4 X 12) FEAL-0644122024 3166 3 X 4' X 12' 3-4 DAYS BARE	129.74	144.00 PI2_\$CLB	3.00 UN		3.00	324.770	974.31
HEXAGONE SS303 1/2 N 1 X 12' R/L 2-3 DAYS	0.00	1.00 UN	1.00 UN		1.00	51.000	51.00
ROUND SS 1/2 303 (12R) RSS-12303-12 5726 2 X 12' R/L STOCK	16.01	24.00 PI_\$CLB	24.00 PI		2.00	27.210	54.42
ROUND SS 5/8 303 N 1 X 12' R/L 2-3 DAYS	0.00	1.00 UN	1.00 UN		1.00	42.000	42.00
<u>ROUND SS 3/4 303 (12R)</u> RSS-34303-12 5760 <u>4 X 12' R/L STOCK</u>	72.10	48.00 PI_\$CLB	48.00 PI		4.00	58.750	235.00
ROUND SS 303 1" N 2 X 12' R/L 2-3 DAYS	0.00	2.00 UN	2.00 UN		2.00	99.000	198.00
FLAT SS304 3/4 X 2 1/2 N 1 X 12' R/L 2-3 DAYS	0.00	1.00 UN	1.00 UN		1.00	280.000	280.00

préavis en fonction de l'évolution des prix de l'acier sur le marché.
 Cette offre est sujette et conditionnelle à l'approbation du crédit.

Date :

37040

Next Page...

**ACIER OUELLETTE INC.**

935, Boul. du Hâvre
 Salaberry de Valleyfield (Québec) J6S 5L1
 Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation

SOU0052051

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Customer № CLI0001056
Date 2017/08/17
Revision № 0
Prices valid until 2017/08/24
Your Order №
Processed by BERNARD
Salesman JOSIANNE
Carrier OUELLE SDV
Credit Terms Net 30 Days
Page 2

Product № and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
ROUND SS 1 304 (12R) RSS-1-12 5712 1 X 12' R/L STOCK	32.04	12.00	PI_\$CLB	12.00	PI	1.00	94.820		94.82
SHEET SS 11G SS304-2B (4 X 8) FESS-11G483042B 3402 1 X 4' X 8' STOCK	168.00	32.00	PI2_\$CLB	1.00	UN	1.00	391.360		391.36
SHEET SS 18G SS304-2B (4 X 8) FESS-18G483042B 3425 2 X 4' X 8' STOCK	134.40	64.00	PI2_\$CLB	2.00	UN	2.00	171.360		342.72
SHEET SS 16G SS304-2B (4 X 8) FESS-16G483042B 3419 2 X 4' X 8' STOCK	168.00	64.00	PI2_\$CLB	2.00	UN	2.00	208.280		416.56
SHEET SS 24G SS304-2B (4 X 8) FESS-24G483042B 3441 1 X 4' X 8' STOCK	33.60	32.00	PI2_\$CLB	1.00	UN	1.00	92.720		92.72
ROUND 4130 3/8 NOT AVAILABLE 5/16 N , 375. 1 X 6' 3-4 DAYS	0.00	1.00	UN	1.00	UN	1.00	185.000		185.00
FLAT ALU 1/8 X 3/4 6063-T5 (21) FAL-1834-21 2551 2 X 21' STOCK	4.70	42.00	PI_\$CLB	2.00	UN	2.00	6.490		12.98
FLAT ALU 1 1/4 X 2 6061-T6 (12) FAL-1142-12 2453 1 X 12' STOCK	35.28	12.00	PI_\$CLB	1.00	UN	1.00	112.530		112.53
FLAT ALU 2 X 4 1/2 N 1 X 12' 4-5 DAYS	0.00	1.00	UN	1.00	UN	1.00	502.000		502.00
ROUND ALU 9/16 6061-T6 (12) RAL-916-12 5178 17 X 12' 3-4 DAYS	59.77	204.00	PI_\$CLB	17.00	UN	17.00	12.163		206.78

préavis en fonction de l'évolution des prix de l'acier sur le marché.
 Cette offre est sujette et conditionnelle à l'approbation du crédit.

Date :

Next Page...

**ACIER OUELLETTE INC.**

935, Boul. du Hâvre
 Salaberry de Valleyfield (Québec) J6S 5L1
 Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation

SOU0052051

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Customer N° CLI0001056
Date 2017/08/17
Revision N° 0
Prices valid until 2017/08/24
Your Order N°
Processed by BERNARD
Salesman JOSIANNE
Carrier OUELLE SDV
Credit Terms Net 30 Days
Page 3

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
ROUND ALU 3/4 6061-T6 (20) RAL-34-20 5156 1 X 20' STOCK	10.46	20.00	PI_\$CLB	1.00	UN		1.00	26.770	26.77
ROUND ALU 1 1/4 6061-T6 (20) RAL-114-20 5120 1 X 20' STOCK	28.82	20.00	PI_\$CLB	1.00	UN		1.00	73.760	73.76
ALU SHEET 1/8 6061-T6 (4 X 8) FEAL-18486061 4256 1 X 4' X 8' STOCK	56.45	32.00	PI2_\$CLB	1.00	UN		1.00	206.570	206.57
FLAT A2 1/2 X 1 1/4 2 X 136" 5-7 DAYS 11.3353	0.00	2.00	UN	2.00	UN		2.00	245.000	490.00
SURCHARGE ENERGETIQUE FRAIS_ENERGETIQUE			\$						3.95
									21617

Total Weight (Lbs) 976.39**Important**

This offer is based on availability and current pricing conditions that may be revised upon
 prévision de l'évolution des prix de l'acier sur le marché.
 This offer is subject to the conditions of the approval of the credit.

Approved and Accepted by: _____ Date: _____ **Total (\$CAD)** 6 399.40

Sub-total 5 663.19

TVH-13 : 736.21

736.21